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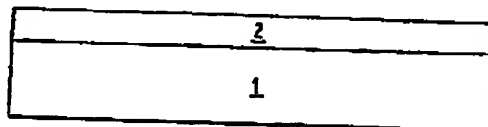
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(54) Method of improving the etch resistance of photoresists

(57) A photoresist system is provided that is easily structurable and is suitable for deep ultraviolet range patterning. An increased etching resistance to halogen-containing plasma is produced in a lithographically generated photoresist structure by treatment with an etch protectant. The etch protectant comprises predominantly aromatic structures and includes reactive groups that are suitable for chemical reaction with reactive

groups of the photoresist. In an embodiment, the photoresist includes a base resin containing no aromatic groups prior to reaction with the aromatic etch protectant. The etch protectant preferably includes an aromatic polycarboxylic acid, aromatic polycarboxylic acid anhydride, or aromatic polycarboxylic acid chloride.

FIG. 1



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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 17 November 2000	Examiner Thiele, M
CATEGORY OF CITED DOCUMENTS			
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